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MONTHLY REPORT

1 SEPTEMBER - 30 SEPTEMBER 1958

INSTALLATION AND MAINTENANCE BRANCH

ENGINEERING DIVISION

1. During the past month the Chief and Deputy Chief of this Branch served on evaluation panels for personnel of Supply and Technician categories. [redacted] 25X1

25X1 [redacted] Except for some slight discrepancies between the Field's evaluation and our findings the job is almost complete.

[redacted] 25X1

4. Two new Electronic Technicians reported on duty during this reporting period. At this rate, and assuming no resignations, it will take at least a year and a half to fill all the electronic slots on a world wide basis.

5. Plans are in progress to formalize a new concept of On-The-Job Training for new employees. A shorter period of time will be spent on "Base Station Operation" [redacted] which will allow for time in the Teletype, Electronic and T&I Sections. It is hoped that for diversified training will give the new employee a broader view of equipments used and of the Engineering Division prior to overseas assignments. 25X1

[redacted] 25X1

Chief, Installation & Maintenance Branch

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I WIRE MAINTENANCE SECTION

A. Trouble Reports

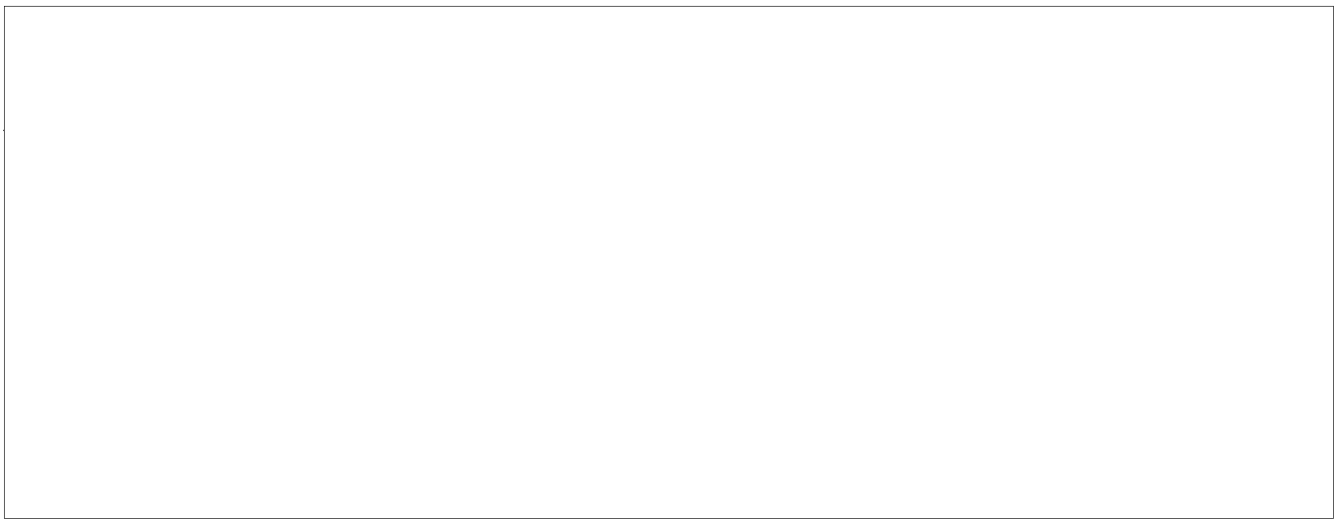
1. The Wire Maintenance Shops in the Washington area have reported a total of two hundred and forty seven troubles for the month of September. The troubles are broken down for the different locations as follows:

Signal Center	213
1717 "H" Street	13
OCI	10 (2 weeks)
Outside area	11

2. The trouble reports show a decrease of forty-five over last month. Traffic volume still runs high, and we are holding our ground.

25X1

B. Daily Activities



The Model 28 and Model 28 ASR teletypewriter used in conjunction with the KW-26A have been functioning properly at a 100 W.P.M. operation. The two Model 28 reperforators installed with the above equipment have both developed troubles during the first week of operation. We have no spare parts on this equipment as yet, so two more Model 28 reperforators were drawn from stock. One of these two reperforators has also developed trouble. Two of the troubles had the screw holding the driving gear sheared off, and the other had a rotary correcting lever break. SEB/SDS has taken this matter up with the local office of the Teletype Corporation.

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[redacted]

4. GSA has completed their project of making a secure area out of the room adjacent to Room 28, this section's Rehab. Shop. Everything specified has been done with the exception of the installation of a three way combination lock and associated hardware. 25X1

[redacted]

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2. The modifications suggested by SEB/EES to convert a regular Transmitter Distributor to a numbering T.D. were made. The operation of this numbering T.D. is exactly like the numbering T.D.'s in the UCAB units. The modification was comparatively simple to make, but a couple of the adjustments controlling the closing of a micro-switch are very critical.

25X1

4. Listed below are the several projects that we have on hand that have not been started, because of the heavy work load, and because of the limited personnel on board due to training.

a. The fabrication of six teletype line feed counters in compliance with a request SEB received from FBID.

b. The overhaul of forty major pieces of teletype equipment now at our Rehab. Shop.

c. Check all teletype motors in Warehouse stock and P.T.I. all Sprayett motors Class 4, as they are classed obsolete.

d. The installation of a Model 19 and a UCAB-6 Receive Cabinet at the "L" Building Signal Center as a "Multiple Tape Reproduction Unit.

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II ELECTRONIC MAINTENANCE SECTION

A. Microwave

1. Regular maintenance visits were made to both microwave installations, minor defects noted were repaired. 25X1

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[redacted]

5. The following equipment has been repaired.

a. 2 each 51 J Receivers.
b. 1 each Dumont Scope
c. 1 each XFK.
d. 1 each Magnecord Tape Recorder and voice operated relay.

III MECHANICAL MAINTENANCE SECTION

A. Preventative maintenance was performed on all emergency power generators each Friday as scheduled.

B. On Saturday 13 September, the emergency generator at "L" Building was operated for approximately six hours during a scheduled power outage.

C. On Thursday, 18 September, a power outage occurred at "L" Building. The generator failed to start and the Signal Center was out of operation for a period of twenty three minutes. It was necessary to use manual start. When normal power was restored the generator shut down automatically. The controls were then tested and the generator operated properly. The difficulty with the generator was due to an intermittent short between the governor solenoid relay and negative battery. The defective wiring was replaced.

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IV BRANCH SUPPLY

A. Requisitions and Property Turn Ins.

1. Equipment ordered this month as requested by OC-E/IMB is as follows:

a. The Wire Maintenance Section requested three each Tiny Tot T.D.'s, two each Model 28 reperforators, one Teletypewriter Sub Assembly, one Typing Model 15 Unit, a Teletypewriter Test Set D.T.S. and miscellaneous non expendable tools and equipment, at a total cost of $4,888.94.

b. The Electronic Maintenance Section requested test equipment for the AS-4 and KX-3, one Fast Rise Pre-amplifier, and one Heathkit, at a total cost of $7,331.01.

c. The Mechanical Maintenance Section requested one exhaust muffler at a total cost of $64.76.

2. The two Model 28 reperforators ordered this month were delivered to "Q" Building.

3. Twenty-three requisitions consisting of 354 line items were processed for field shipment at a total cost of $2,699.53. 25X1

4. As of 25 September $16,999.76 has been expended for spare parts required to maintain stock levels for equipment serviced by OC-E/IMB to fill requests by the field stations.

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OVERTIME

The Wire Maintenance Section required fifty-two hours overtime for the month of September. Sixteen hours of this time were spent on the ASR and Model 28 teletypewriters at OCI. The rest of the overtime was required to take care of emergency trouble calls in the local outside area.

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